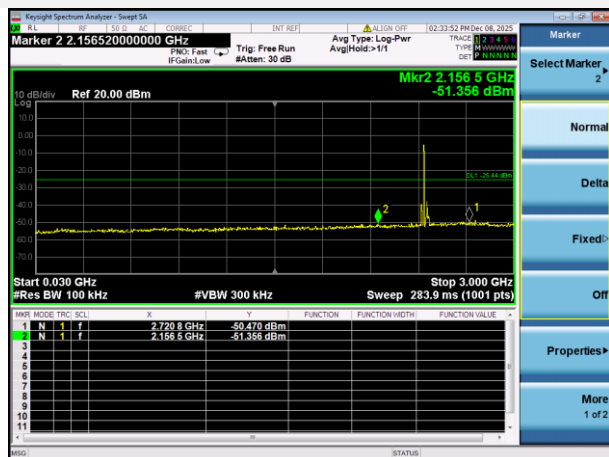
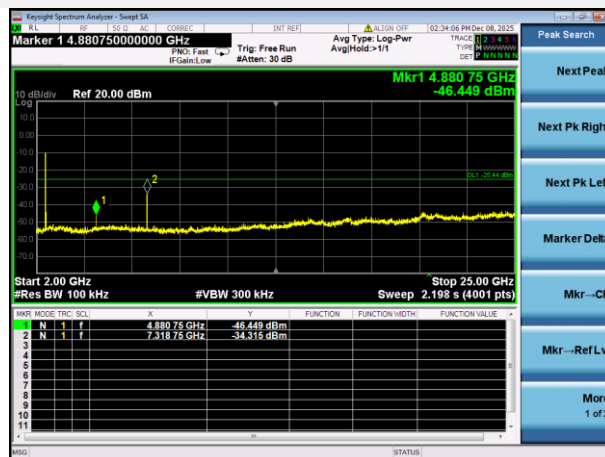


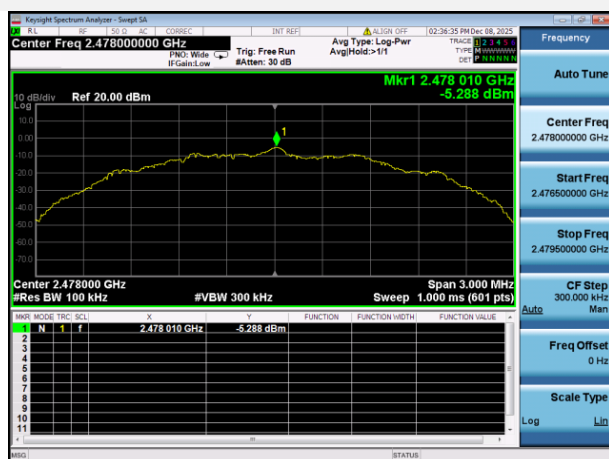
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



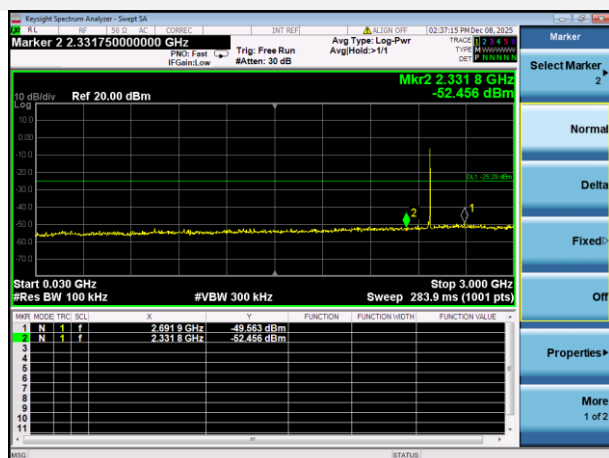
GFSK (BLE 2Mbps) MIDDLE CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



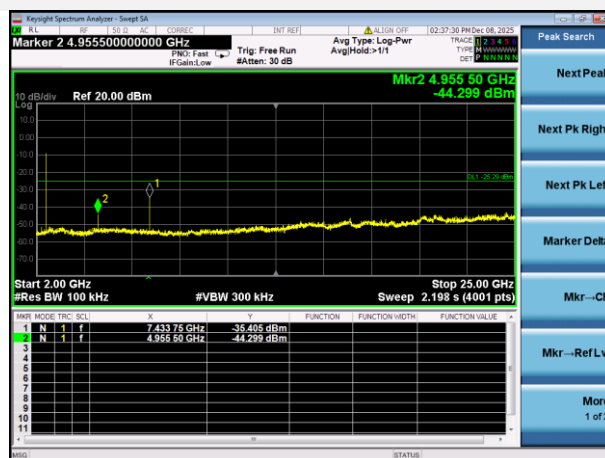
GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 30 MHz ~ 3 GHz



GFSK (BLE 2Mbps) HIGH CHANNEL, SPURIOUS 2 GHz ~ 25 GHz



A.4 Band Edge (Authorized-band band-edge)

Note: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

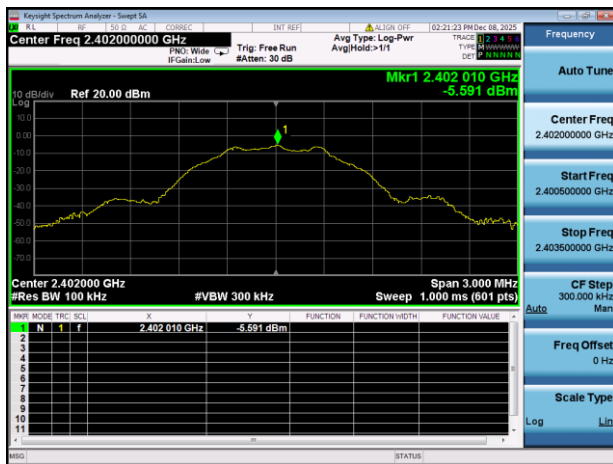
Test Data

GFSK (BLE 1Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-52.12	-5.59	-25.59	Pass
High Channel	-51.50	-5.47	-25.47	Pass

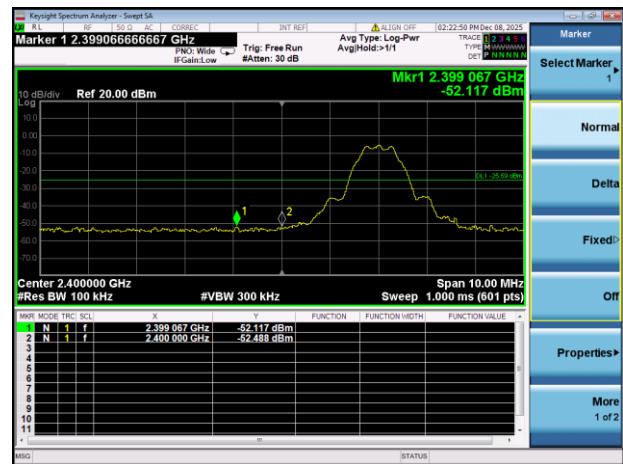
GFSK (BLE 2Mbps)				
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-52.29	-5.63	-25.63	Pass
High Channel	-51.92	-5.29	-25.29	Pass

Test Plots

GFSK (BLE 1Mbps) LOW CHANNEL, CARRIER LEVEL



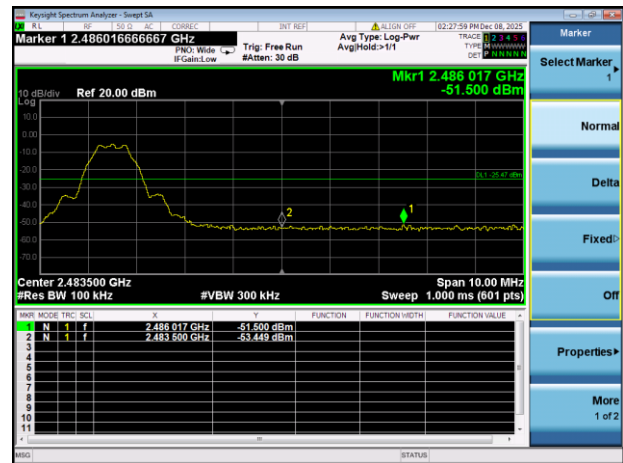
GFSK (BLE 1Mbps) LOW CHANNEL, BAND EDGE



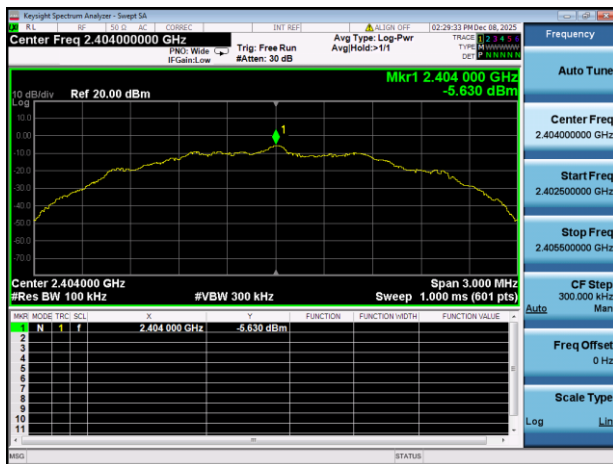
GFSK (BLE 1Mbps) HIGH CHANNEL, CARRIER LEVEL



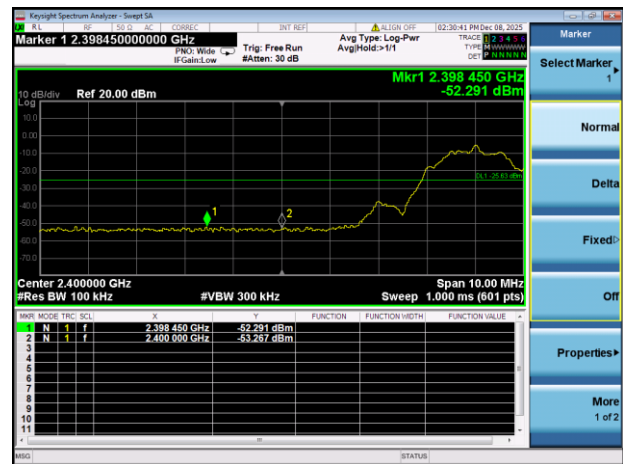
GFSK (BLE 1Mbps) HIGH CHANNEL, BAND EDGE



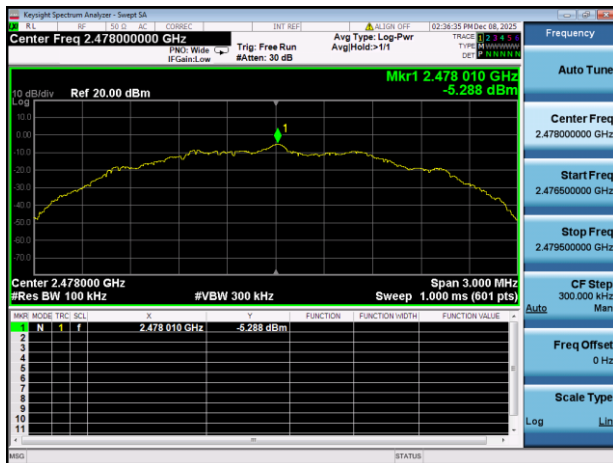
GFSK (BLE 2Mbps) LOW CHANNEL, CARRIER LEVEL



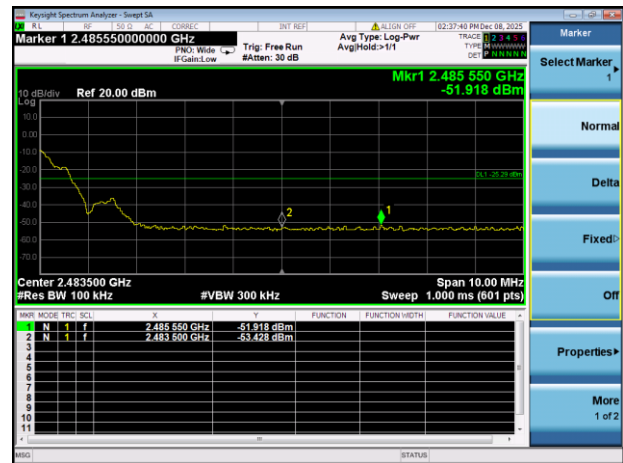
GFSK (BLE 2Mbps) LOW CHANNEL, BAND EDGE



GFSK (BLE 2Mbps) HIGH CHANNEL, CARRIER LEVEL



GFSK (BLE 2Mbps) HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

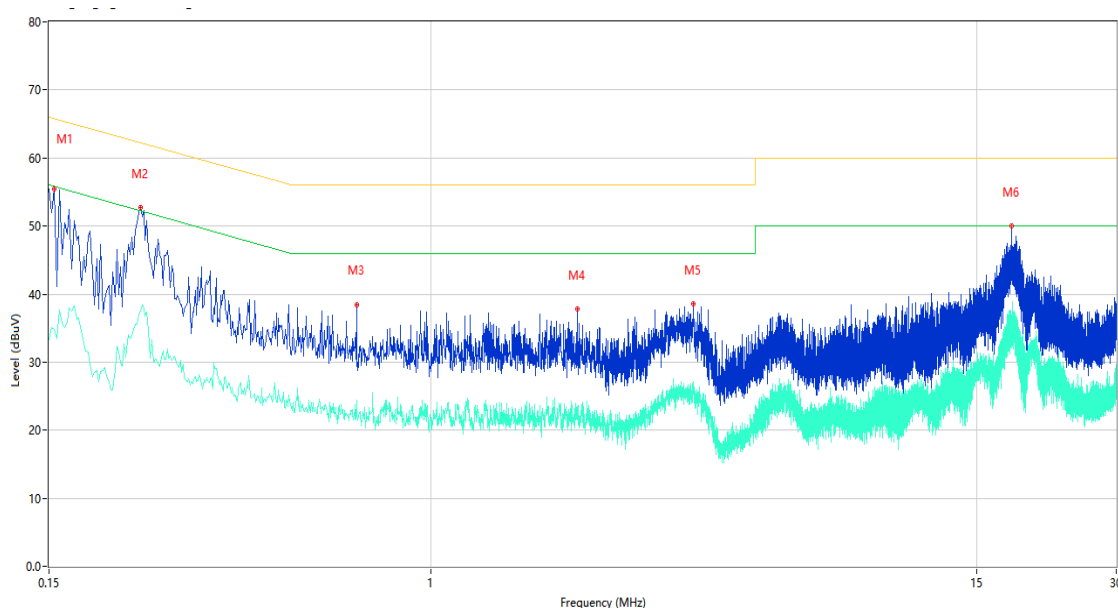
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

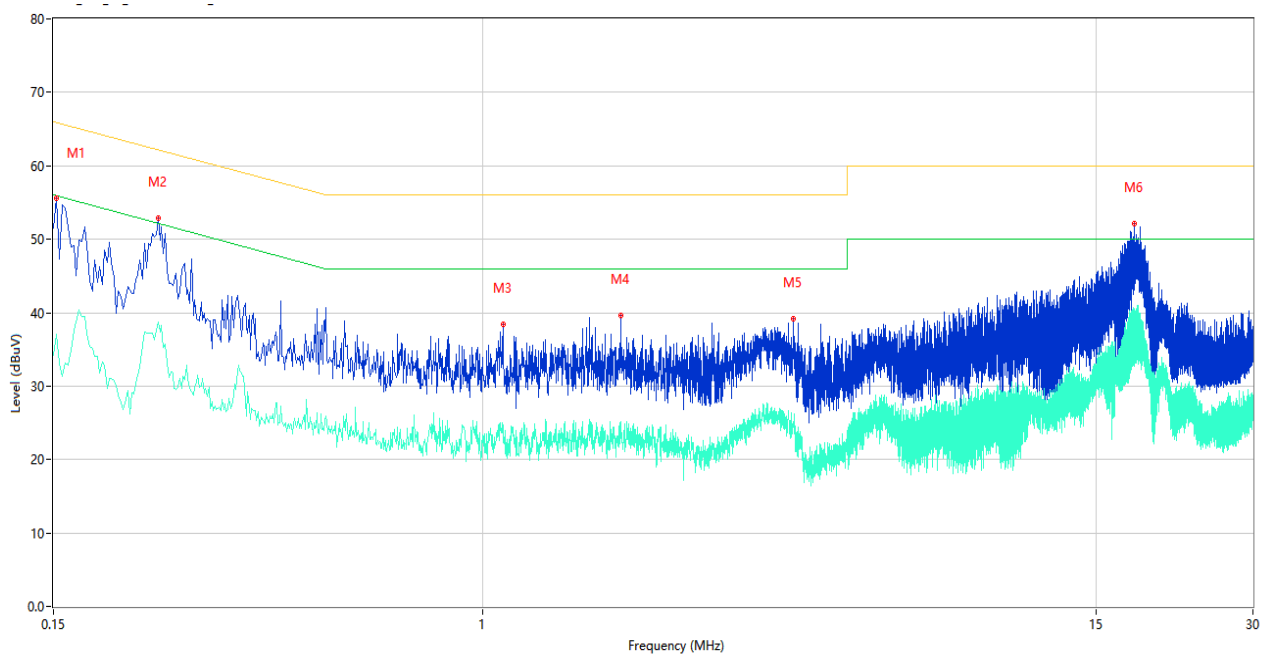
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.154	55.37	10.30	65.78	10.41	Peak	L	Pass
1**	0.154	34.79	10.30	55.78	20.99	AV	L	Pass
2	0.236	52.68	10.26	62.24	9.56	Peak	L	Pass
2**	0.236	37.44	10.26	52.24	14.80	AV	L	Pass
3	0.690	38.47	10.29	56.00	17.53	Peak	L	Pass
3**	0.690	24.35	10.29	46.00	21.65	AV	L	Pass
4	2.064	37.85	10.44	56.00	18.15	Peak	L	Pass
4**	2.064	21.73	10.44	46.00	24.27	AV	L	Pass
5	3.676	38.59	10.66	56.00	17.41	Peak	L	Pass
5**	3.676	26.51	10.66	46.00	19.49	AV	L	Pass
6	17.870	49.97	13.86	60.00	10.03	Peak	L	Pass
6**	17.870	33.21	13.86	50.00	16.79	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.152	55.65	10.21	65.89	10.24	Peak	N	Pass
1**	0.152	37.05	10.21	55.89	18.84	AV	N	Pass
2	0.238	52.83	10.18	62.17	9.34	Peak	N	Pass
2**	0.238	38.77	10.18	52.17	13.40	AV	N	Pass
3	1.092	38.43	10.25	56.00	17.57	Peak	N	Pass
3**	1.092	24.75	10.25	46.00	21.25	AV	N	Pass
4	1.840	39.67	10.33	56.00	16.33	Peak	N	Pass
4**	1.840	24.57	10.33	46.00	21.43	AV	N	Pass
5	3.940	39.18	10.59	56.00	16.82	Peak	N	Pass
5**	3.940	25.00	10.59	46.00	21.00	AV	N	Pass
6	17.750	52.17	13.84	60.00	7.83	Peak	N	Pass
6**	17.750	38.90	13.84	50.00	11.10	AV	N	Pass

A.6 Radiated Spurious Emission

Note ¹: The symbol of “--” in the table which means not application.

Note ²: For the test data above 1 GHz, according the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

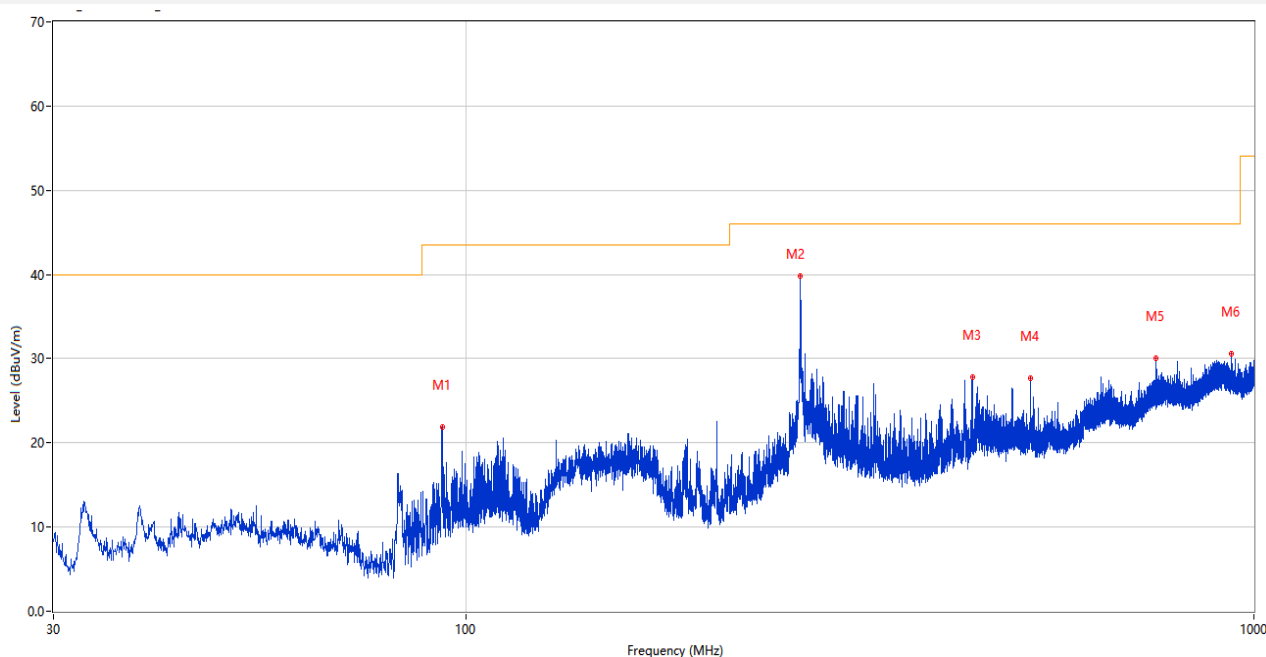
Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and BLE 2M-High channel mode is the worst.

Note ⁵: Results (dBuV/m) = Original reading level of Spectrum Analyzer (dBuV/m) + Factor (dB)

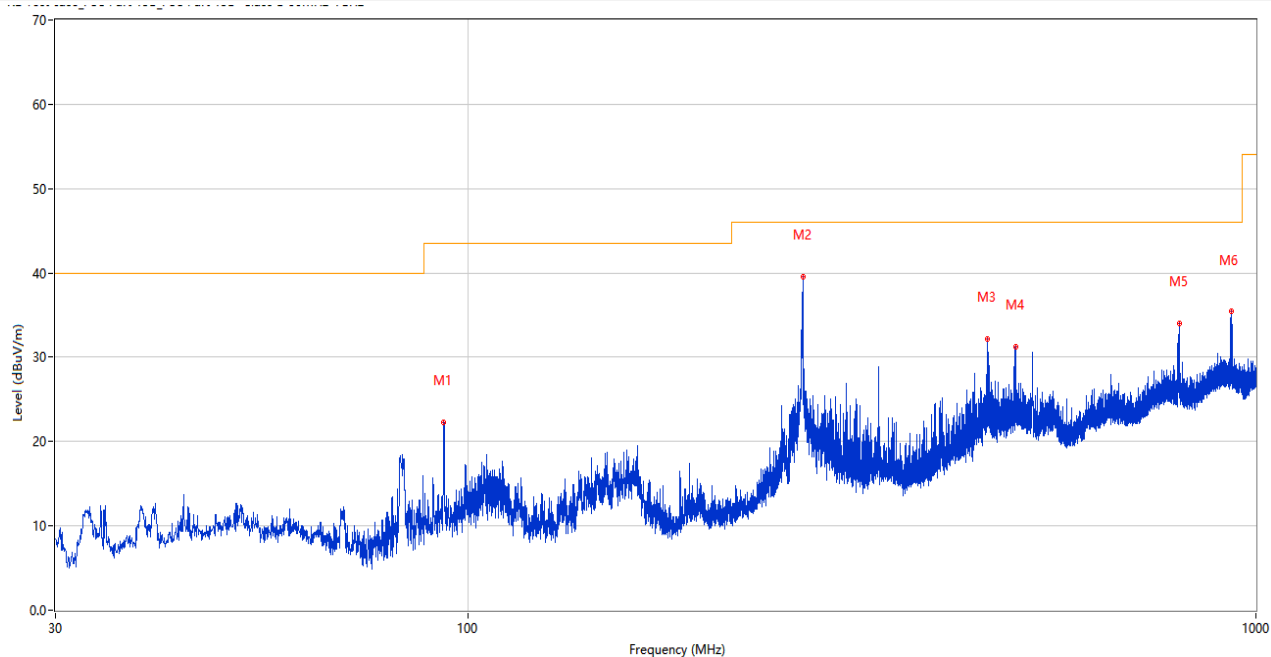
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	93.341	21.85	-27.15	43.5	21.65	Peak	118.00	200	Horizontal	Pass
2	265.565	40.78	-24.89	46.0	6.22	Peak	97.00	100	Horizontal	Pass
3	439.582	27.84	-19.71	46.0	18.16	Peak	116.00	200	Horizontal	Pass
4	520.917	27.74	-17.84	46.0	18.26	Peak	252.00	200	Horizontal	Pass
5	751.389	30.06	-11.88	46.0	15.94	Peak	103.00	200	Horizontal	Pass
6	935.543	30.58	-8.74	46.0	15.42	Peak	267.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

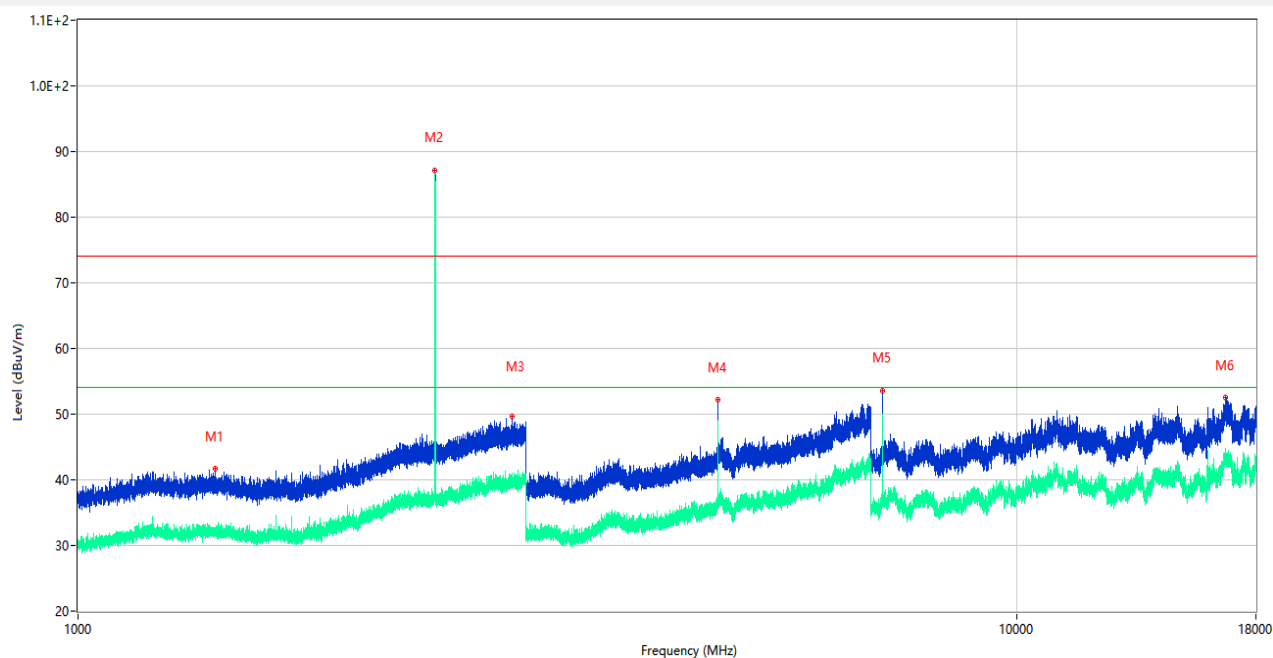


No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	93.293	22.30	-27.17	43.5	21.20	Peak	32.00	100	Vertical	Pass
2	266.292	40.57	-24.94	46.0	6.43	Peak	154.00	200	Vertical	Pass
3	456.073	32.11	-19.55	46.0	13.89	Peak	137.00	100	Vertical	Pass
4	495.649	31.26	-18.07	46.0	14.74	Peak	167.00	200	Vertical	Pass
5	799.841	34.04	-11.35	46.0	11.96	Peak	123.00	100	Vertical	Pass
6	930.645	35.40	-8.81	46.0	10.60	Peak	147.00	200	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

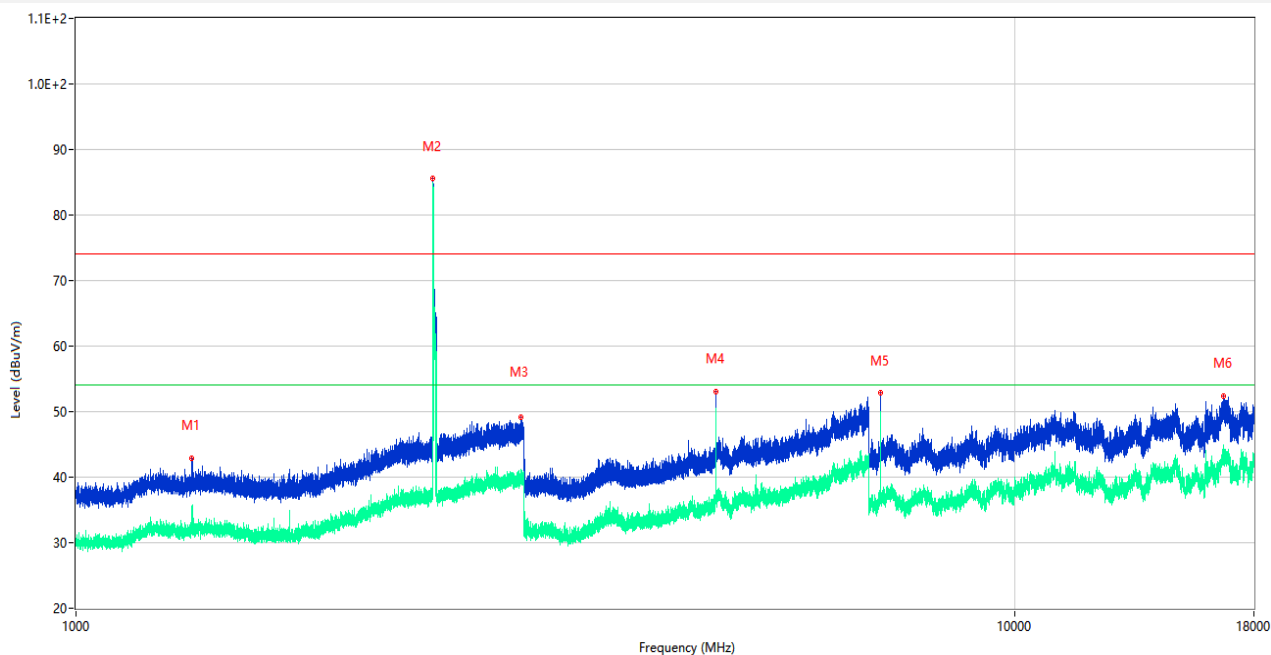
Note²: The spurious from 18GHz-25GHz is noise only, do not show on the report.

GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT H



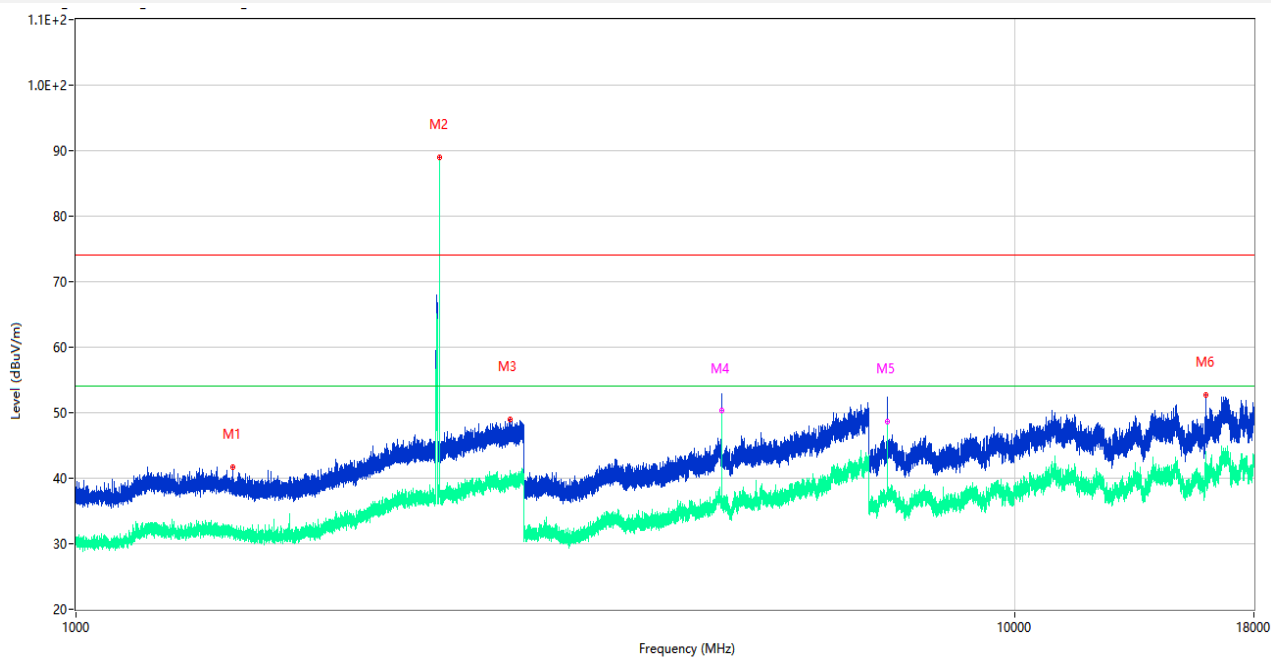
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1400.500	41.67	-17.65	74.0	32.33	Peak	321.00	200	Horizontal	Pass
1**	1400.500	32.18	-17.65	54.0	21.82	AV	321.00	200	Horizontal	Pass
2	2401.700	87.15	-13.85	74.0	-13.15	Peak	214.00	150	Horizontal	N/A
2**	2401.700	86.43	-13.85	54.0	-32.43	AV	214.00	150	Horizontal	N/A
3	2898.900	49.74	-11.02	74.0	24.26	Peak	129.00	150	Horizontal	Pass
3**	2898.900	39.60	-11.02	54.0	14.40	AV	129.00	150	Horizontal	Pass
4	4803.600	52.19	-6.76	74.0	21.81	Peak	352.00	200	Horizontal	Pass
4**	4803.600	48.12	-6.76	54.0	5.88	AV	352.00	200	Horizontal	Pass
5	7205.562	53.59	-1.99	74.0	20.41	Peak	330.00	100	Horizontal	Pass
5**	7205.562	48.69	-1.99	54.0	5.31	AV	330.00	100	Horizontal	Pass
6	16721.100	52.47	6.86	74.0	21.53	Peak	131.00	400	Horizontal	Pass
6**	16721.100	44.02	6.86	54.0	9.98	AV	131.00	400	Horizontal	Pass

GFSK (BLE 1Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT V



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.700	42.94	-17.43	74.0	31.06	Peak	127.00	300	Vertical	Pass
1**	1328.700	32.70	-17.43	54.0	21.30	AV	127.00	300	Vertical	Pass
2	2401.700	85.55	-13.85	74.0	-11.55	Peak	211.00	100	Vertical	N/A
2**	2401.700	84.02	-13.85	54.0	-30.02	AV	211.00	100	Vertical	N/A
3	2980.100	49.14	-10.88	74.0	24.86	Peak	85.00	100	Vertical	Pass
3**	2980.100	39.94	-10.88	54.0	14.06	AV	85.00	100	Vertical	Pass
4	4804.600	53.09	-6.72	74.0	20.91	Peak	298.00	200	Vertical	Pass
4**	4804.600	49.48	-6.72	54.0	4.52	AV	298.00	200	Vertical	Pass
5	7204.987	52.84	-1.98	74.0	21.16	Peak	10.00	200	Vertical	Pass
5**	7204.987	45.35	-1.98	54.0	8.65	AV	10.00	200	Vertical	Pass
6	16714.012	52.38	6.89	74.0	21.62	Peak	231.00	100	Vertical	Pass
6**	16714.012	44.09	6.89	54.0	9.91	AV	231.00	100	Vertical	Pass

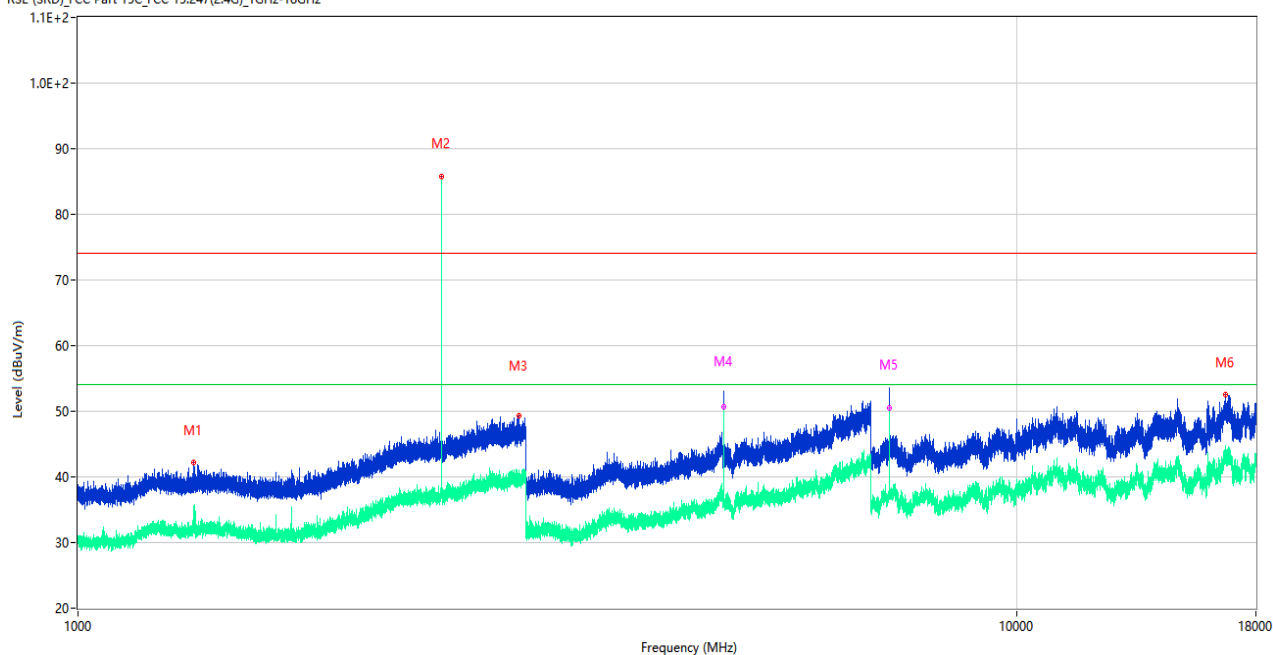
GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1469.800	41.72	-17.85	74.0	32.28	Peak	312.00	200	Horizontal	Pass
1**	1469.800	31.51	-17.85	54.0	22.49	AV	312.00	200	Horizontal	Pass
2	2440.200	89.02	-13.98	74.0	-15.02	Peak	210.00	100	Horizontal	N/A
2**	2440.200	88.41	-13.98	54.0	-34.41	AV	210.00	100	Horizontal	N/A
3	2904.500	48.98	-11.43	74.0	25.02	Peak	360.00	100	Horizontal	Pass
3**	2904.500	39.59	-11.43	54.0	14.41	AV	360.00	100	Horizontal	Pass
4	4880.800	52.25	-6.93	74.0	21.75	Peak	22.00	150	Horizontal	Pass
4**	4880.800	50.32	-6.93	54.0	3.68	AV	22.00	150	Horizontal	Pass
5	7320.275	51.30	-1.92	74.0	22.70	Peak	233.00	150	Horizontal	Pass
5**	7320.275	48.62	-1.92	54.0	5.38	AV	233.00	150	Horizontal	Pass
6	16000.012	52.72	7.38	74.0	21.28	Peak	146.00	100	Horizontal	Pass
6**	16000.012	42.98	7.38	54.0	11.02	AV	146.00	100	Horizontal	Pass

GFSK (BLE 1Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

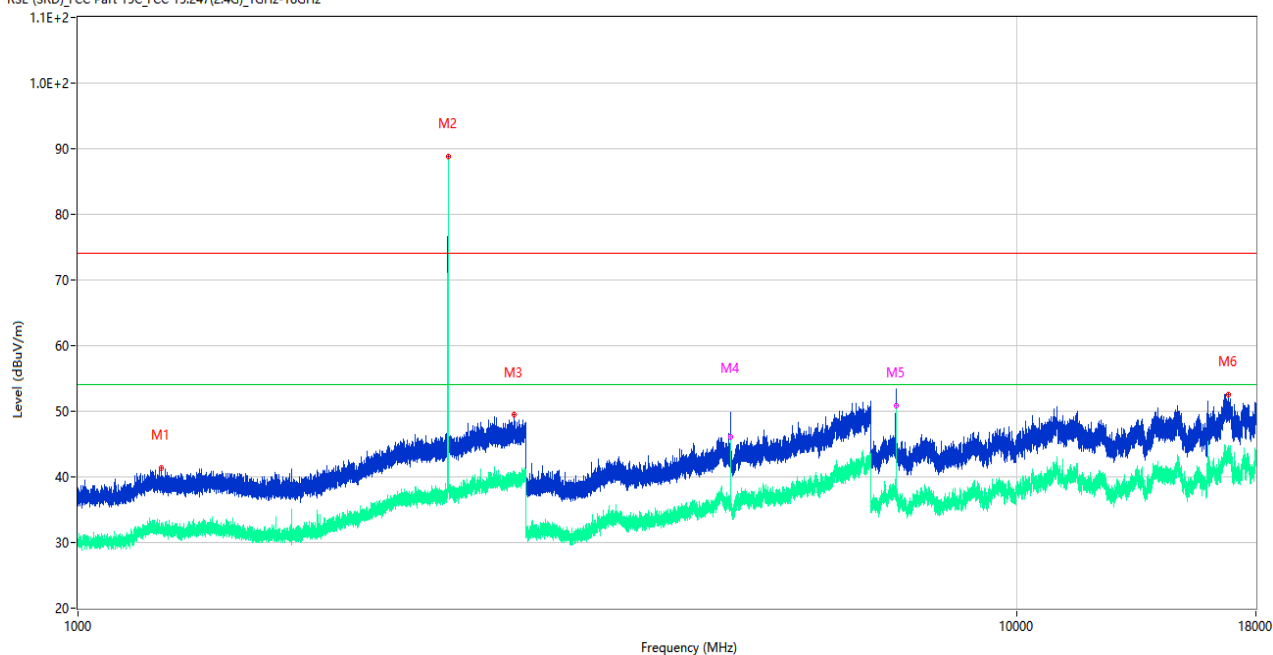
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.400	42.18	-17.58	74.0	31.82	Peak	130.00	300	Vertical	Pass
1**	1329.400	33.13	-17.58	54.0	20.87	AV	130.00	300	Vertical	Pass
2	2440.200	85.80	-13.98	74.0	-11.80	Peak	217.00	150	Vertical	N/A
2**	2440.200	85.24	-13.98	54.0	-31.24	AV	217.00	150	Vertical	N/A
3	2953.400	49.26	-11.49	74.0	24.74	Peak	99.00	150	Vertical	Pass
3**	2953.400	40.59	-11.49	54.0	13.41	AV	99.00	150	Vertical	Pass
4	4880.400	53.10	-7.17	74.0	20.90	Peak	58.00	150	Vertical	Pass
4**	4880.400	50.69	-7.17	54.0	3.31	AV	58.00	150	Vertical	Pass
5	7319.700	52.78	-1.92	74.0	21.22	Peak	0.00	150	Vertical	Pass
5**	7319.700	50.49	-1.92	54.0	3.51	AV	0.00	150	Vertical	Pass
6	16720.838	52.48	6.86	74.0	21.52	Peak	327.00	300	Vertical	Pass
6**	16720.838	43.37	6.86	54.0	10.63	AV	327.00	300	Vertical	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT H

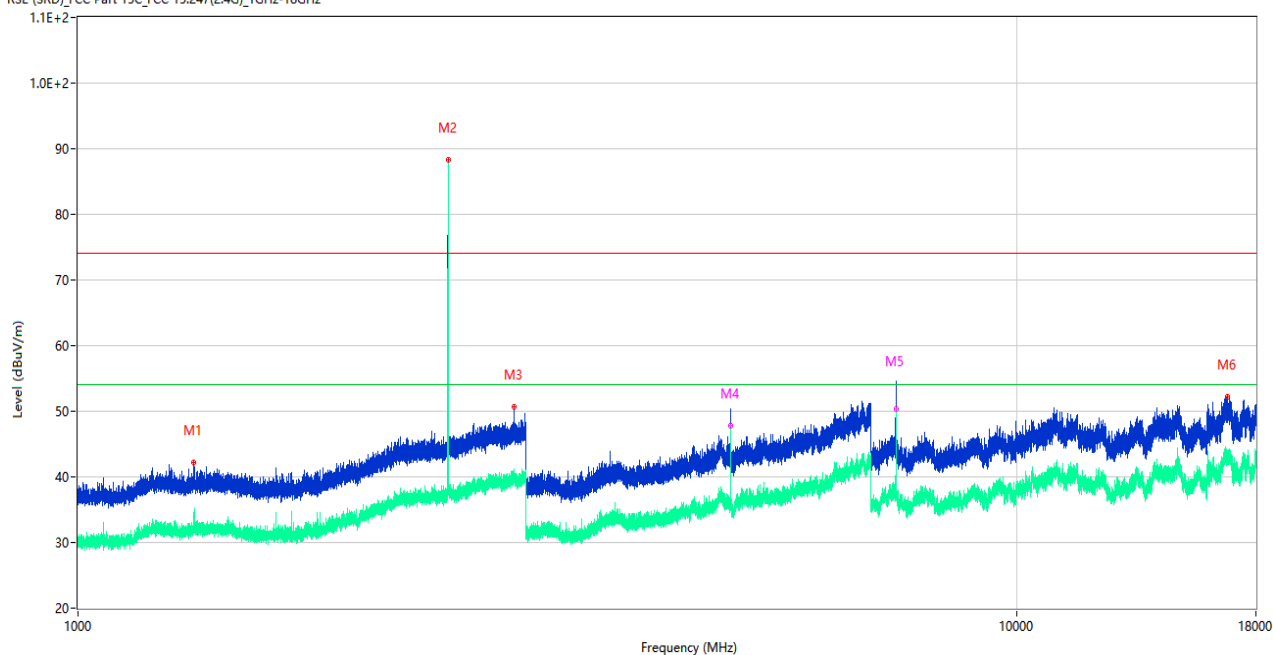
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1226.100	41.41	-17.43	74.0	32.59	Peak	109.00	400	Horizontal	Pass
1**	1226.100	32.08	-17.43	54.0	21.92	AV	109.00	400	Horizontal	Pass
2	2479.800	88.89	-13.54	74.0	-14.89	Peak	202.00	200	Horizontal	N/A
2**	2479.800	87.78	-13.54	54.0	-33.78	AV	202.00	200	Horizontal	N/A
3	2918.100	49.47	-10.93	74.0	24.53	Peak	271.00	150	Horizontal	Pass
3**	2918.100	39.97	-10.93	54.0	14.03	AV	271.00	150	Horizontal	Pass
4	4960.400	48.33	-6.81	74.0	25.67	Peak	331.00	150	Horizontal	Pass
4**	4960.400	46.08	-6.81	54.0	7.92	AV	331.00	150	Horizontal	Pass
5	7439.300	52.76	-1.55	74.0	21.24	Peak	196.00	150	Horizontal	Pass
5**	7439.300	50.87	-1.55	54.0	3.13	AV	196.00	150	Horizontal	Pass
6	16834.500	52.54	6.07	74.0	21.46	Peak	246.00	150	Horizontal	Pass
6**	16834.500	43.87	6.07	54.0	10.13	AV	246.00	150	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT V

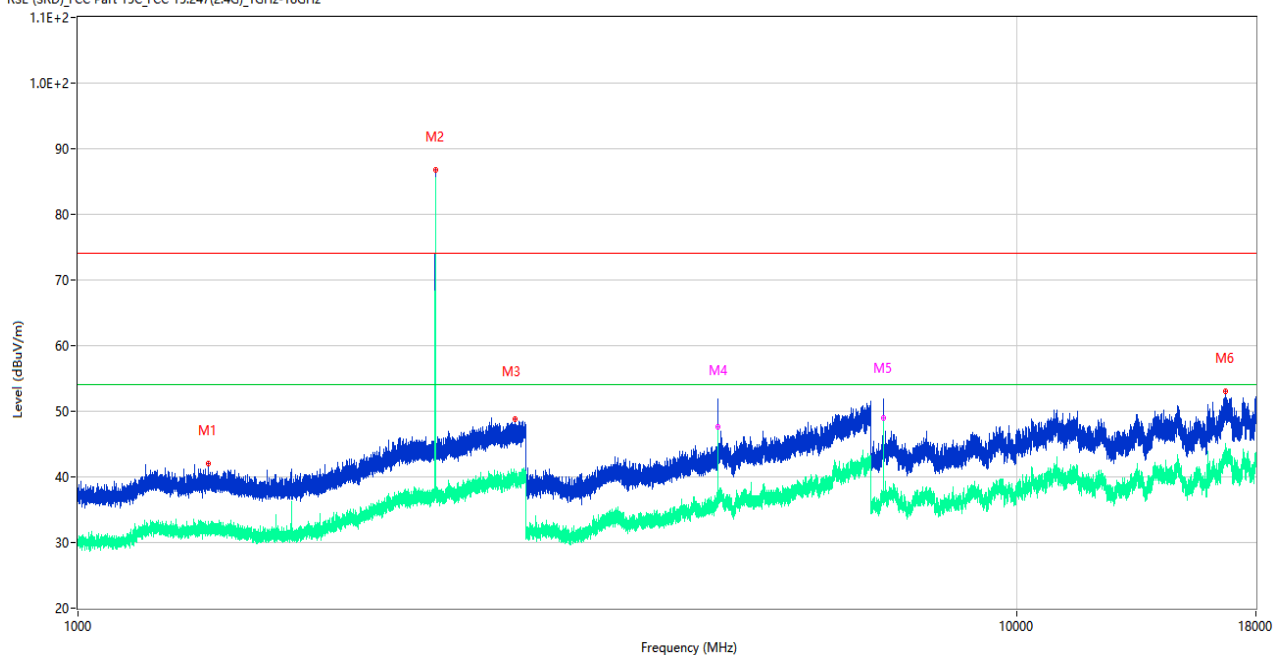
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.100	42.14	-17.52	74.0	31.86	Peak	254.00	400	Vertical	Pass
1**	1329.100	31.84	-17.52	54.0	22.16	AV	254.00	400	Vertical	Pass
2	2479.700	88.29	-13.53	74.0	-14.29	Peak	220.00	200	Vertical	N/A
2**	2479.700	87.37	-13.53	54.0	-33.37	AV	220.00	200	Vertical	N/A
3	2917.700	50.60	-11.10	74.0	23.40	Peak	39.00	100	Vertical	Pass
3**	2917.700	39.09	-11.10	54.0	14.91	AV	39.00	100	Vertical	Pass
4	4959.600	50.27	-6.59	74.0	23.73	Peak	80.00	150	Vertical	Pass
4**	4959.600	47.78	-6.59	54.0	6.22	AV	80.00	150	Vertical	Pass
5	7441.025	54.43	-1.56	74.0	19.57	Peak	0.00	150	Vertical	Pass
5**	7441.025	50.39	-1.56	54.0	3.61	AV	0.00	150	Vertical	Pass
6	16780.687	52.13	5.90	74.0	21.87	Peak	12.00	300	Vertical	Pass
6**	16780.687	43.26	5.90	54.0	10.74	AV	12.00	300	Vertical	Pass

GFSK (BLE 2Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT H

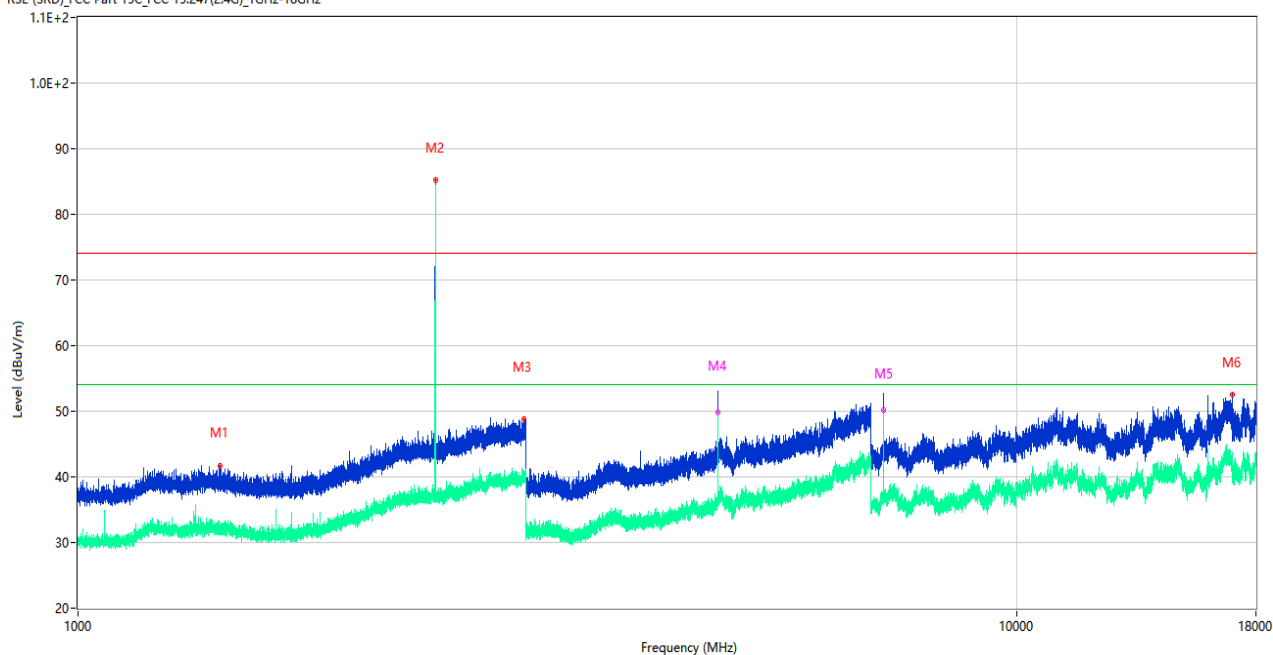
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1377.300	42.06	-17.45	74.0	31.94	Peak	151.00	100	Horizontal	Pass
1**	1377.300	32.21	-17.45	54.0	21.79	AV	151.00	100	Horizontal	Pass
2	2403.500	86.83	-14.20	74.0	-12.83	Peak	205.00	100	Horizontal	N/A
2**	2403.500	84.20	-14.20	54.0	-30.20	AV	205.00	100	Horizontal	N/A
3	2922.600	48.75	-11.47	74.0	25.25	Peak	244.00	100	Horizontal	Pass
3**	2922.600	39.29	-11.47	54.0	14.71	AV	244.00	100	Horizontal	Pass
4	4807.000	50.72	-6.67	74.0	23.28	Peak	44.00	150	Horizontal	Pass
4**	4807.000	47.66	-6.67	54.0	6.34	AV	44.00	150	Horizontal	Pass
5	7211.025	51.35	-1.93	74.0	22.65	Peak	42.00	150	Horizontal	Pass
5**	7211.025	48.92	-1.93	54.0	5.08	AV	42.00	150	Horizontal	Pass
6	16706.400	53.12	6.78	74.0	20.88	Peak	147.00	400	Horizontal	Pass
6**	16706.400	45.10	6.78	54.0	8.90	AV	147.00	400	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL 1 GHz to 18 GHz, ANT V

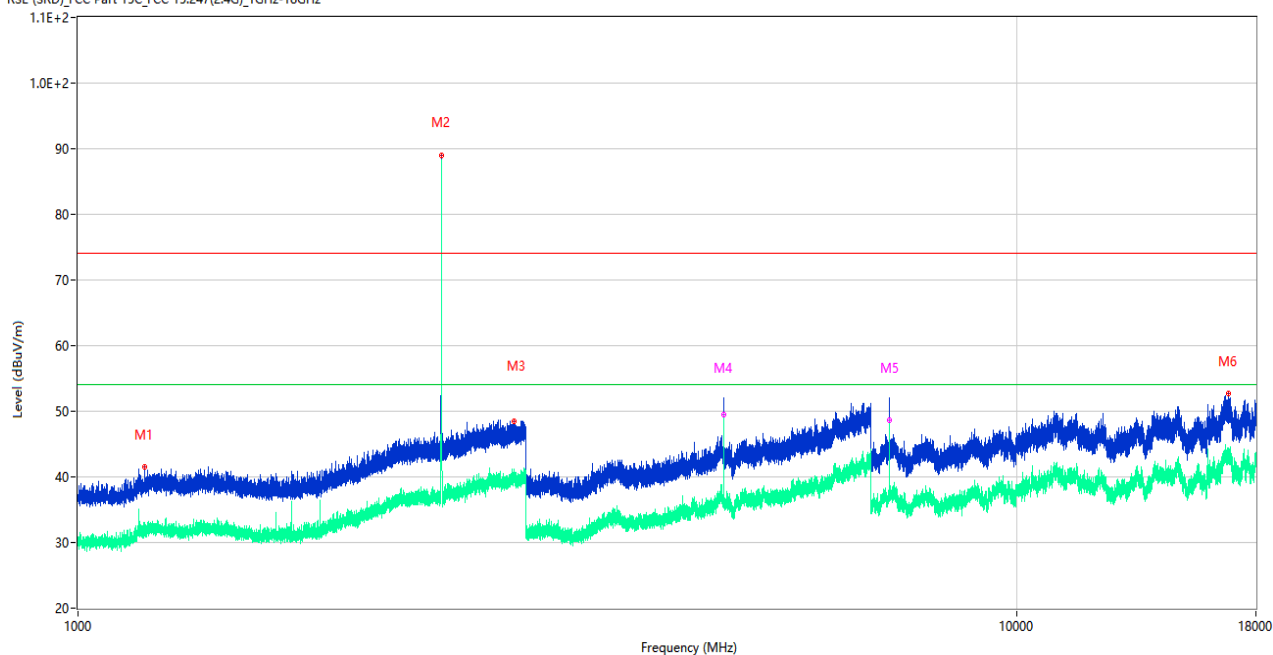
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1417.100	41.75	-17.36	74.0	32.25	Peak	129.00	200	Vertical	Pass
1**	1417.100	32.43	-17.36	54.0	21.57	AV	129.00	200	Vertical	Pass
2	2404.500	85.24	-14.16	74.0	-11.24	Peak	209.00	100	Vertical	N/A
2**	2404.500	83.64	-14.16	54.0	-29.64	AV	209.00	100	Vertical	N/A
3	2988.500	48.73	-11.12	74.0	25.27	Peak	84.00	100	Vertical	Pass
3**	2988.500	40.20	-11.12	54.0	13.80	AV	84.00	100	Vertical	Pass
4	4808.400	52.01	-6.55	74.0	21.99	Peak	68.00	150	Vertical	Pass
4**	4808.400	49.81	-6.55	54.0	4.19	AV	68.00	150	Vertical	Pass
5	7210.737	52.79	-1.95	74.0	21.21	Peak	14.00	150	Vertical	Pass
5**	7210.737	50.16	-1.95	54.0	3.84	AV	14.00	150	Vertical	Pass
6	16989.901	52.53	6.65	74.0	21.47	Peak	65.00	100	Vertical	Pass
6**	16989.901	41.37	6.65	54.0	12.63	AV	65.00	100	Vertical	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT H

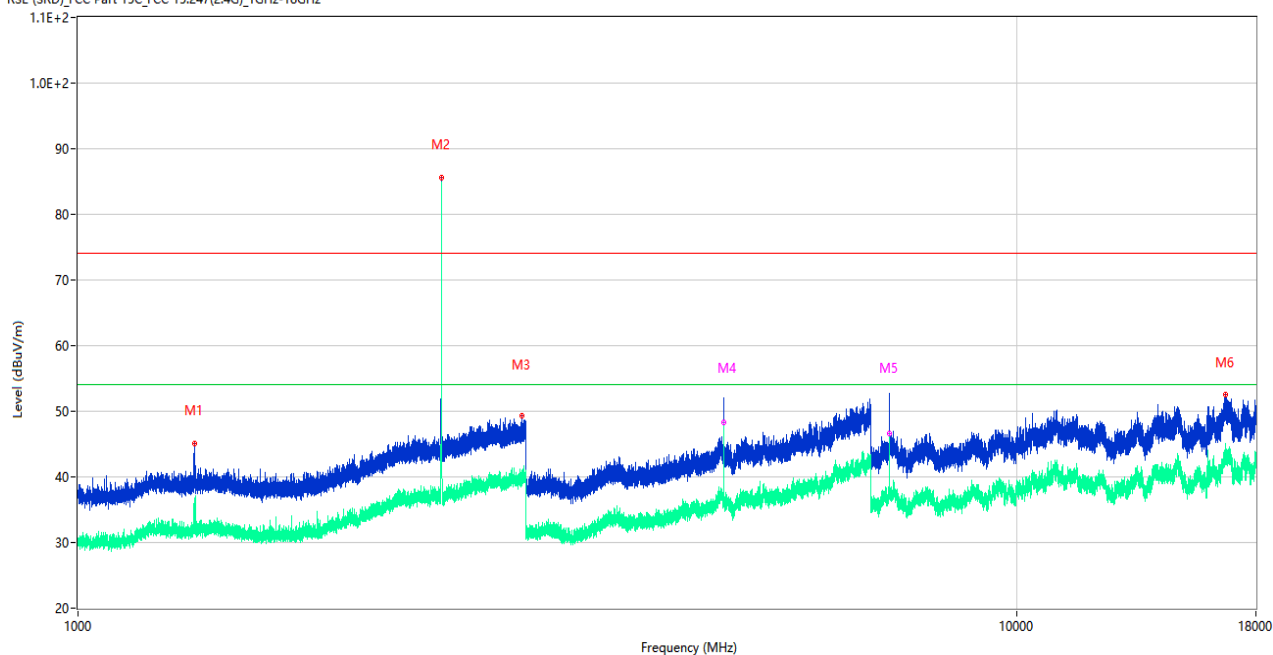
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1178.500	41.46	-17.80	74.0	32.54	Peak	33.00	200	Horizontal	Pass
1**	1178.500	31.87	-17.80	54.0	22.13	AV	33.00	200	Horizontal	Pass
2	2440.500	89.02	-13.91	74.0	-15.02	Peak	211.00	150	Horizontal	N/A
2**	2440.500	86.75	-13.91	54.0	-32.75	AV	211.00	150	Horizontal	N/A
3	2913.000	48.52	-11.53	74.0	25.48	Peak	360.00	200	Horizontal	Pass
3**	2913.000	39.97	-11.53	54.0	14.03	AV	360.00	200	Horizontal	Pass
4	4880.000	50.94	-7.47	74.0	23.06	Peak	18.00	150	Horizontal	Pass
4**	4880.000	49.56	-7.47	54.0	4.44	AV	18.00	150	Horizontal	Pass
5	7319.987	51.32	-1.92	74.0	22.68	Peak	40.00	150	Horizontal	Pass
5**	7319.987	48.62	-1.92	54.0	5.38	AV	40.00	150	Horizontal	Pass
6	16836.863	52.67	6.13	74.0	21.33	Peak	153.00	100	Horizontal	Pass
6**	16836.863	43.50	6.13	54.0	10.50	AV	153.00	100	Horizontal	Pass

GFSK (BLE 2Mbps) MIDDLE CHANNEL 1 GHz to 18 GHz, ANT V

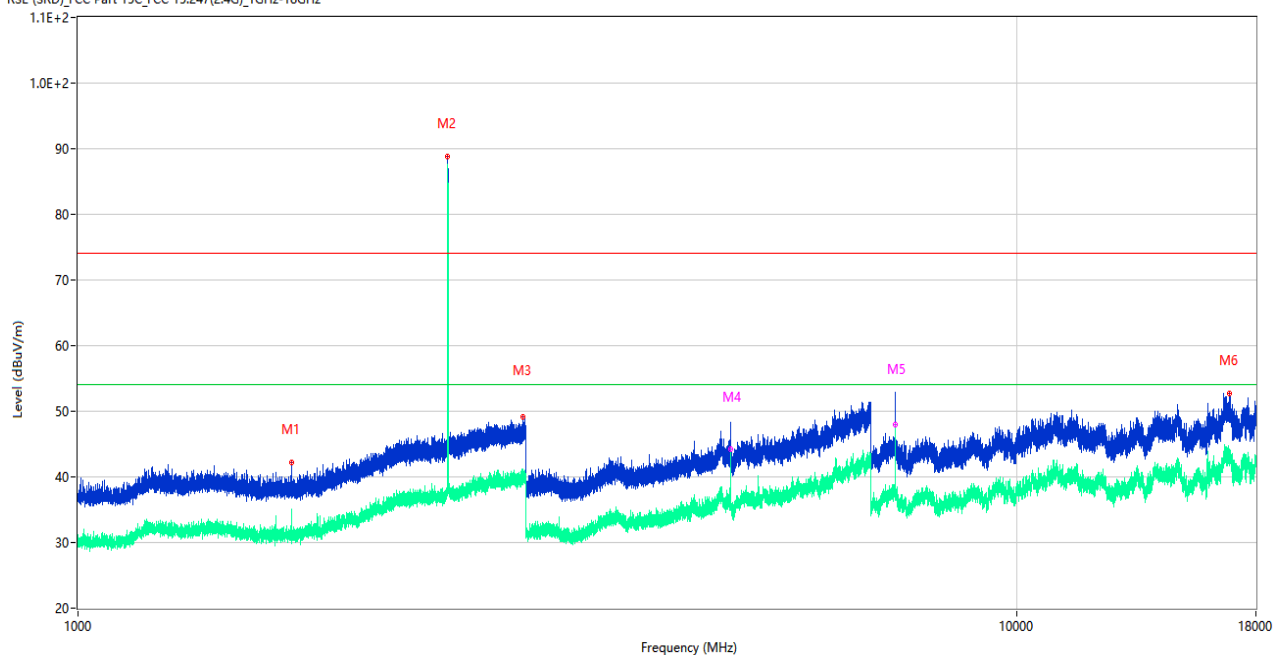
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.300	45.09	-17.74	74.0	28.91	Peak	131.00	200	Vertical	Pass
1**	1332.300	32.48	-17.74	54.0	21.52	AV	131.00	200	Vertical	Pass
2	2440.700	85.61	-13.73	74.0	-11.61	Peak	264.00	100	Vertical	N/A
2**	2440.700	81.09	-13.73	54.0	-27.09	AV	264.00	100	Vertical	N/A
3	2972.900	49.27	-11.19	74.0	24.73	Peak	75.00	150	Vertical	Pass
3**	2972.900	40.82	-11.19	54.0	13.18	AV	75.00	150	Vertical	Pass
4	4880.000	51.99	-7.47	74.0	22.01	Peak	304.00	150	Vertical	Pass
4**	4880.000	48.30	-7.47	54.0	5.70	AV	304.00	150	Vertical	Pass
5	7319.413	50.54	-1.93	74.0	23.46	Peak	0.00	150	Vertical	Pass
5**	7319.413	46.63	-1.93	54.0	7.37	AV	0.00	150	Vertical	Pass
6	16708.238	52.51	6.84	74.0	21.49	Peak	240.00	100	Vertical	Pass
6**	16708.238	43.75	6.84	54.0	10.25	AV	240.00	100	Vertical	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT H

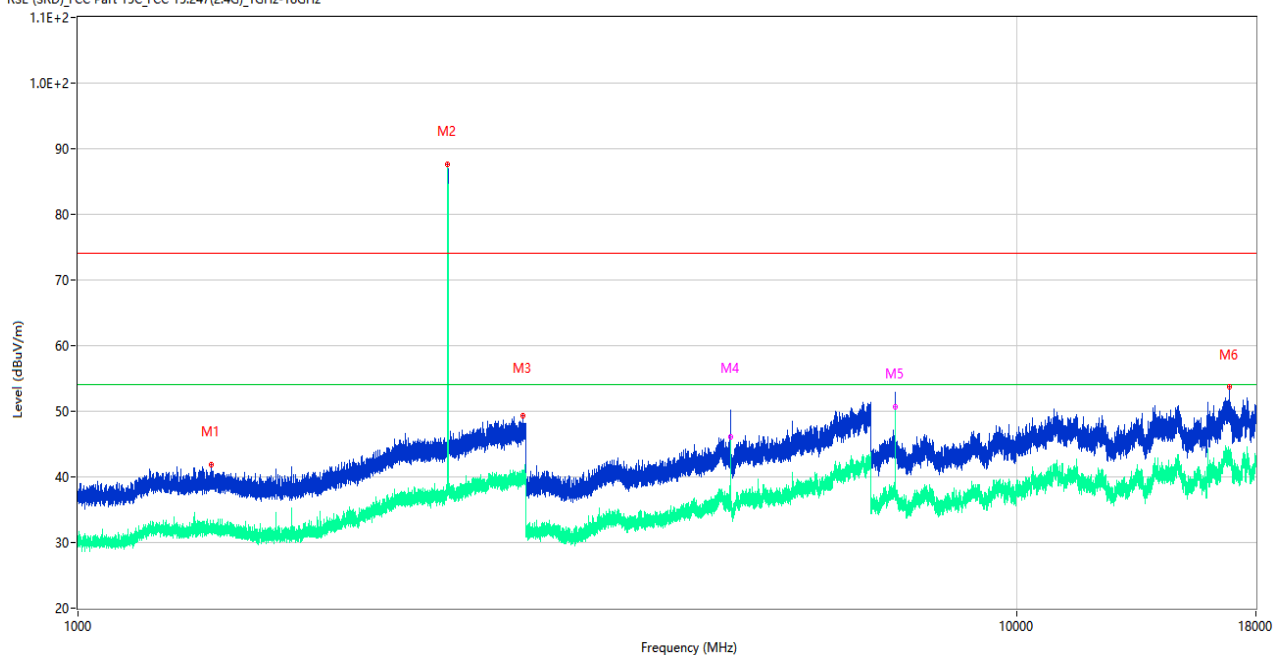
RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1687.400	42.21	-18.91	74.0	31.79	Peak	230.00	200	Horizontal	Pass
1**	1687.400	34.41	-18.91	54.0	19.59	AV	230.00	200	Horizontal	Pass
2	2477.600	88.88	-13.49	74.0	-14.88	Peak	208.00	150	Horizontal	N/A
2**	2477.600	85.38	-13.49	54.0	-31.38	AV	208.00	150	Horizontal	N/A
3	2981.100	49.23	-11.37	74.0	24.77	Peak	84.00	150	Horizontal	Pass
3**	2981.100	39.54	-11.37	54.0	14.46	AV	84.00	150	Horizontal	Pass
4	4956.000	47.80	-6.38	74.0	26.20	Peak	197.00	150	Horizontal	Pass
4**	4956.000	44.26	-6.38	54.0	9.74	AV	197.00	150	Horizontal	Pass
5	7435.562	52.92	-1.47	74.0	21.08	Peak	210.00	150	Horizontal	Pass
5**	7435.562	47.97	-1.47	54.0	6.03	AV	210.00	150	Horizontal	Pass
6	16853.926	52.76	6.58	74.0	21.24	Peak	288.00	200	Horizontal	Pass
6**	16853.926	43.33	6.58	54.0	10.67	AV	288.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL 1 GHz to 18 GHz, ANT V

RSE (SRD), FCC Part 15C_FCC 15.247(2.4G)_1GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1386.700	41.91	-17.57	74.0	32.09	Peak	154.00	200	Vertical	Pass
1**	1386.700	32.25	-17.57	54.0	21.75	AV	154.00	200	Vertical	Pass
2	2478.500	87.70	-13.39	74.0	-13.70	Peak	262.00	150	Vertical	N/A
2**	2478.500	85.14	-13.39	54.0	-31.14	AV	262.00	150	Vertical	N/A
3	2978.300	49.38	-10.95	74.0	24.62	Peak	345.00	200	Vertical	Pass
3**	2978.300	40.92	-10.95	54.0	13.08	AV	345.00	200	Vertical	Pass
4	4955.000	49.19	-6.81	74.0	24.81	Peak	347.00	150	Vertical	Pass
4**	4955.000	46.16	-6.81	54.0	7.84	AV	347.00	150	Vertical	Pass
5	7434.125	52.65	-1.44	74.0	21.35	Peak	360.00	150	Vertical	Pass
5**	7434.125	50.61	-1.44	54.0	3.39	AV	360.00	150	Vertical	Pass
6	16859.963	53.67	6.66	74.0	20.33	Peak	329.00	400	Vertical	Pass
6**	16859.963	43.73	6.66	54.0	10.27	AV	329.00	400	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

Note²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

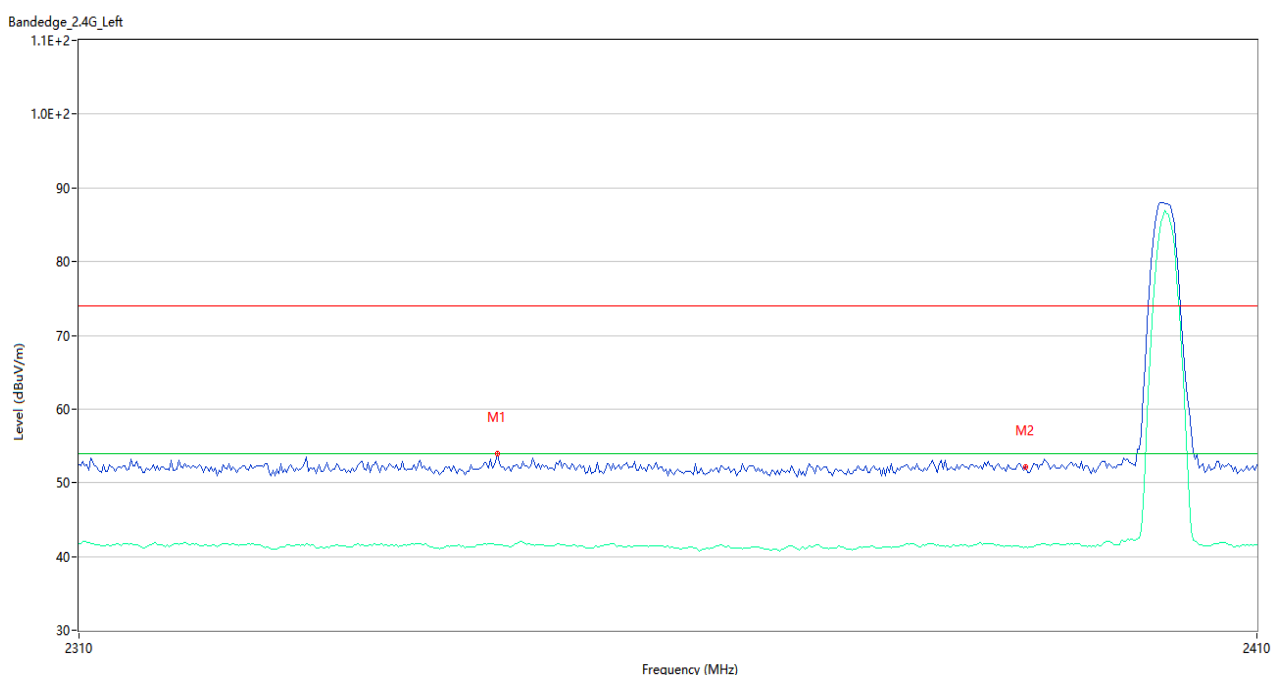
Note³: According the ANSI C63.10-2020, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note⁴: The Level (dBuV/m) has been corrected by factor.

Note⁵: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

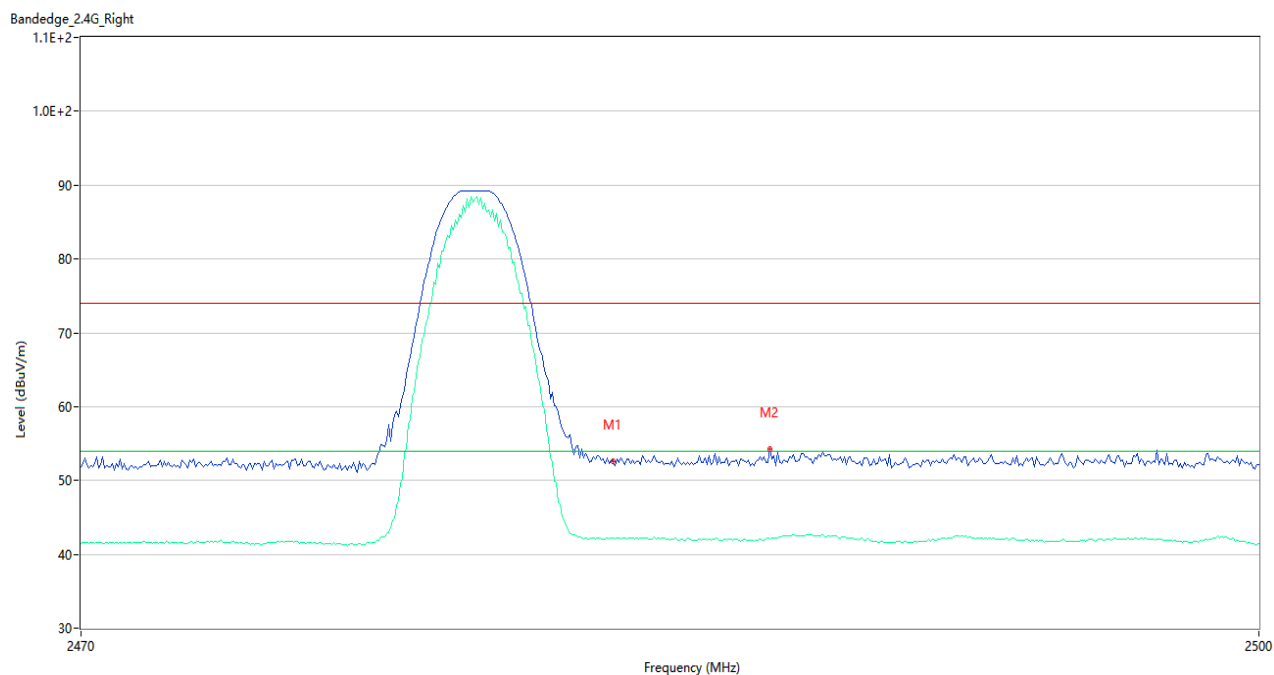
Test Data and Plots

GFSK (BLE 1Mbps) LOW CHANNEL



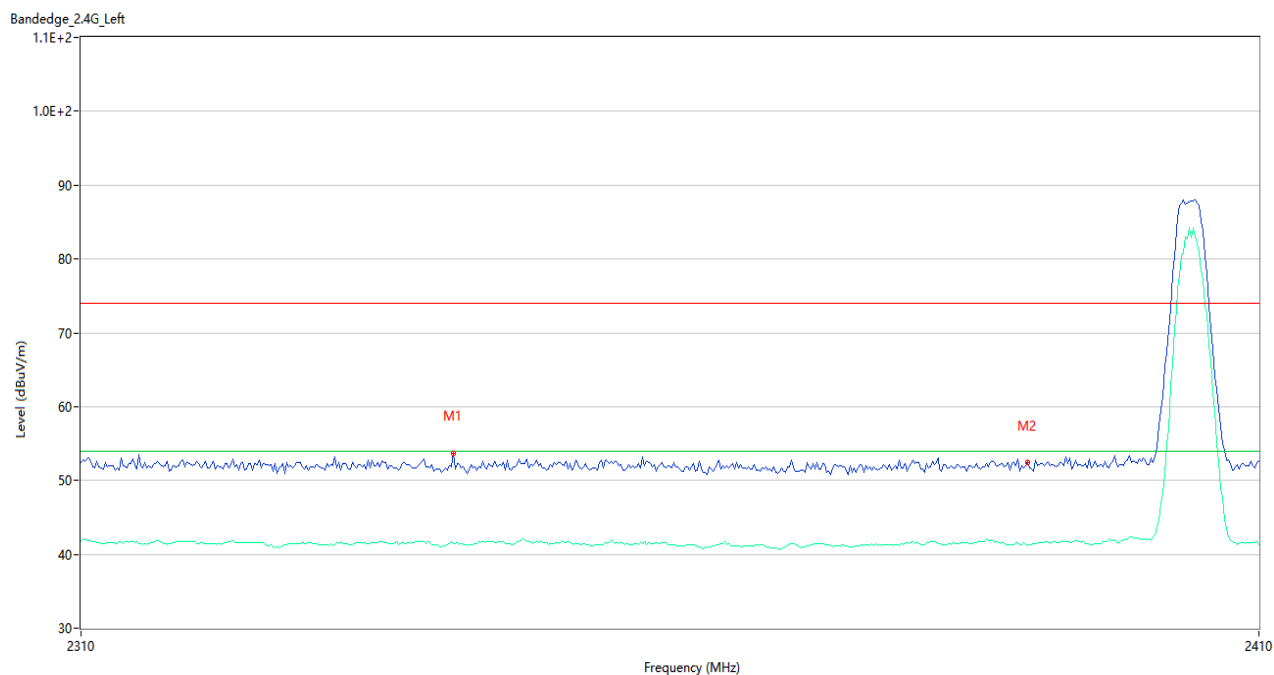
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2345.000	53.93	-1.81	74.0	20.07	Peak	6.00	400	Horizontal	Pass
1**	2345.000	41.55	-1.81	54.0	12.45	AV	6.00	400	Horizontal	Pass
2	2390.000	52.13	-2.16	74.0	21.87	Peak	9.00	200	Horizontal	Pass
2**	2390.000	41.31	-2.16	54.0	12.69	AV	9.00	200	Horizontal	Pass

GFSK (BLE 1Mbps) HIGH CHANNEL



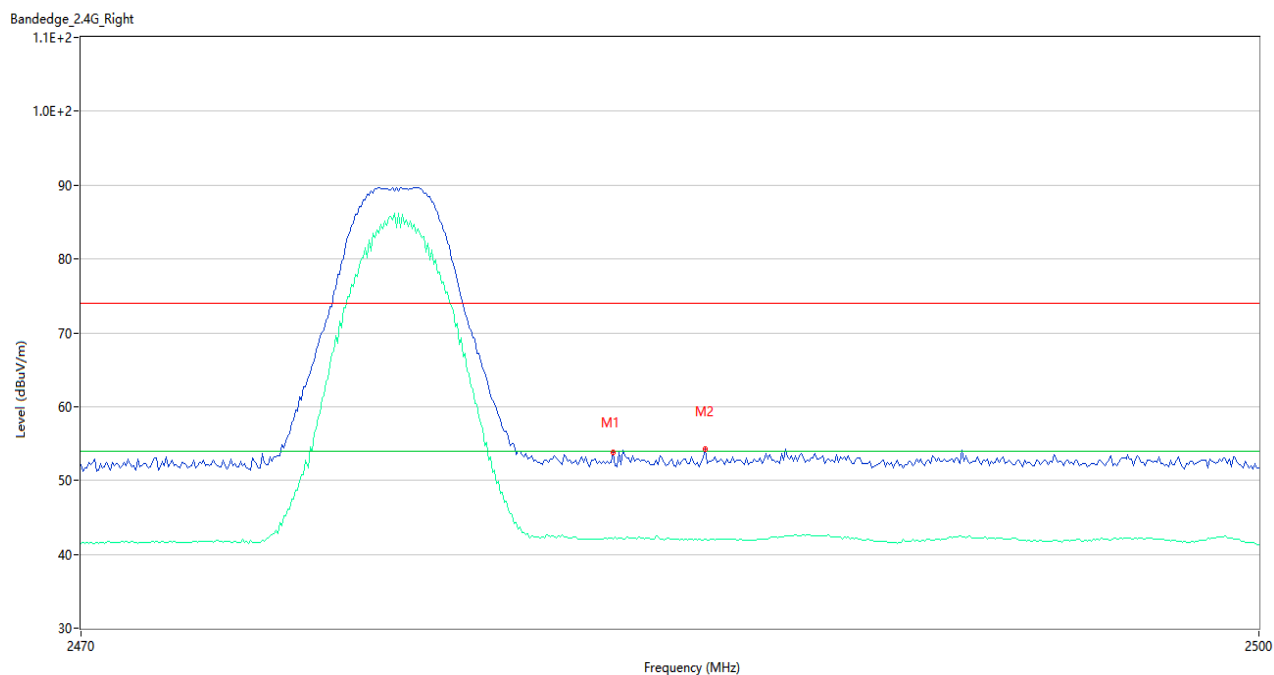
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	52.53	-1.04	74.0	21.47	Peak	181.00	300	Horizontal	Pass
1**	2483.500	42.19	-1.04	54.0	11.81	AV	181.00	300	Horizontal	Pass
2	2487.500	54.29	-1.07	74.0	19.71	Peak	80.00	200	Horizontal	Pass
2**	2487.500	42.08	-1.07	54.0	11.92	AV	80.00	200	Horizontal	Pass

GFSK (BLE 2Mbps) LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2341.167	53.72	-2.07	74.0	20.28	Peak	88.00	200	Horizontal	Pass
1**	2341.167	41.47	-2.07	54.0	12.53	AV	88.00	200	Horizontal	Pass
2	2390.000	52.49	-2.16	74.0	21.51	Peak	43.00	300	Horizontal	Pass
2**	2390.000	41.17	-2.16	54.0	12.83	AV	43.00	300	Horizontal	Pass

GFSK (BLE 2Mbps) HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	53.74	-1.04	74.0	20.26	Peak	38.00	400	Horizontal	Pass
1**	2483.500	42.12	-1.04	54.0	11.88	AV	38.00	400	Horizontal	Pass
2	2485.850	54.32	-1.22	74.0	19.68	Peak	20.00	400	Horizontal	Pass
2**	2485.850	42.04	-1.22	54.0	11.96	AV	20.00	400	Horizontal	Pass

A.8 Power Spectral Density (PSD)

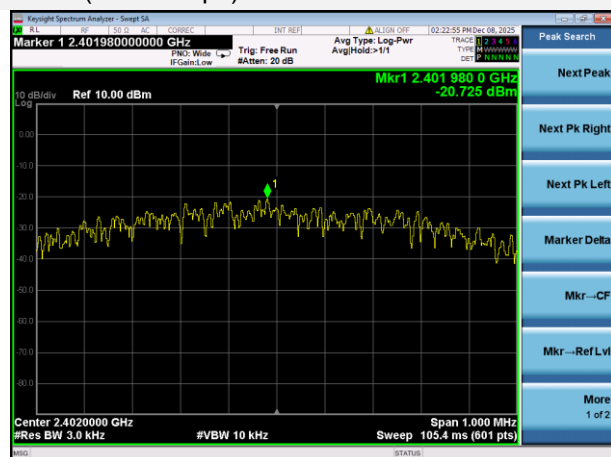
Test Data

GFSK (BLE 1Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-20.73	8	Pass
Middle Channel	-20.98	8	Pass
High Channel	-21.04	8	Pass

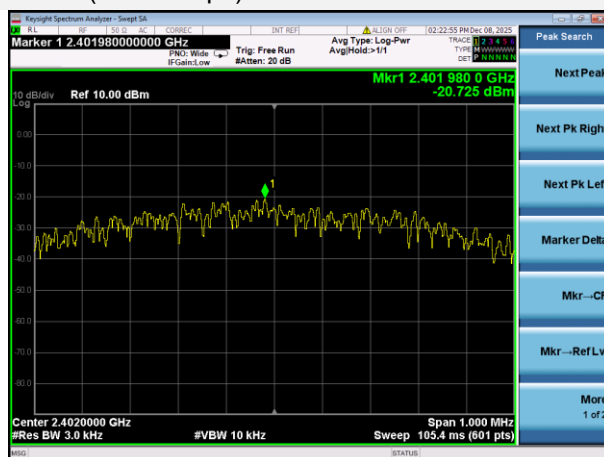
GFSK (BLE 2Mbps)			
Channel	Spectral power density (dBm/3kHz)	Limit (dBm/3kHz)	Verdict
Low Channel	-23.28	8	Pass
Middle Channel	-23.16	8	Pass
High Channel	-23.32	8	Pass

Test Plots

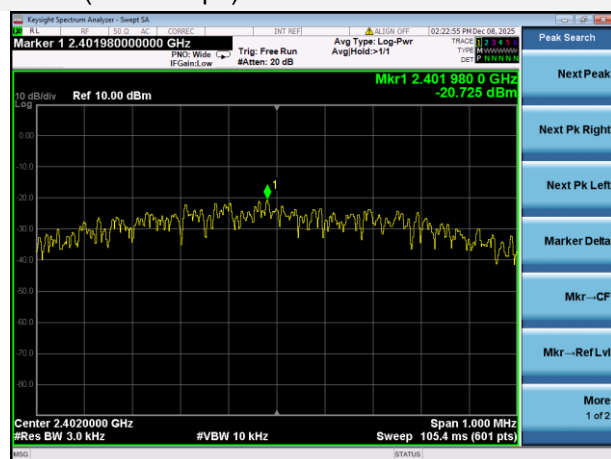
GFSK (BLE 1Mbps) LOW CHANNEL



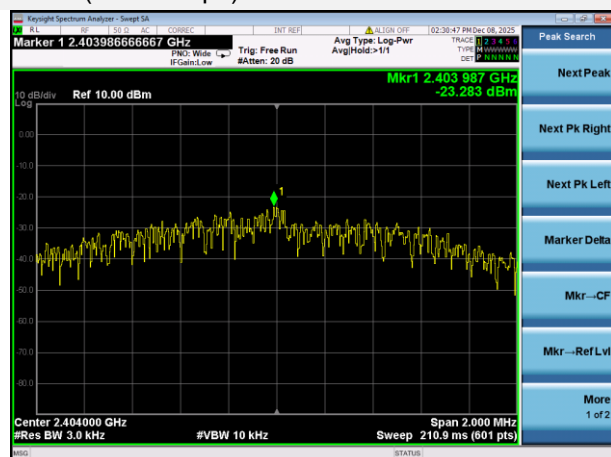
GFSK (BLE 1Mbps) MIDDLE CHANNEL



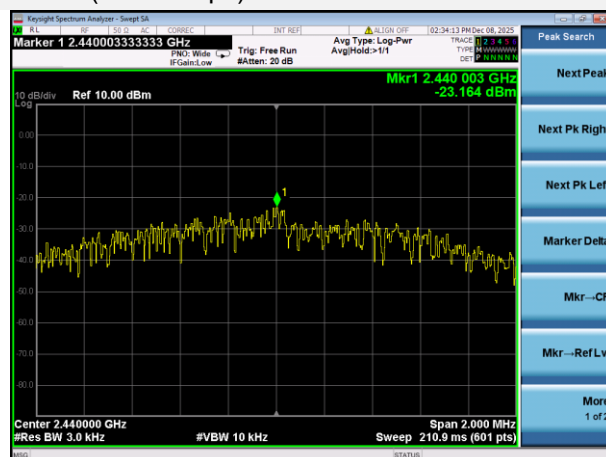
GFSK (BLE 1Mbps) HIGH CHANNEL



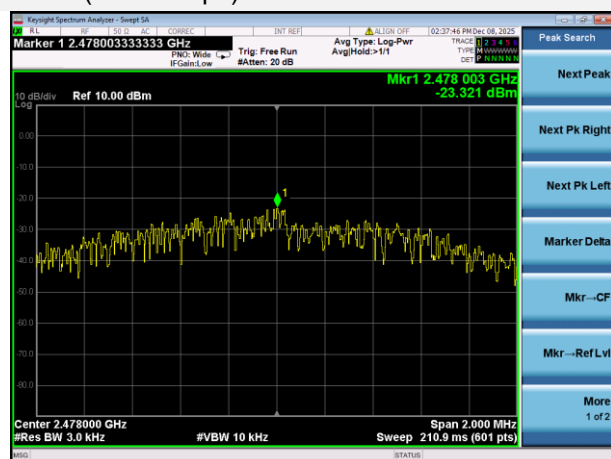
GFSK (BLE 2Mbps) LOW CHANNEL



GFSK (BLE 2Mbps) MIDDLE CHANNEL



GFSK (BLE 2Mbps) HIGH CHANNEL



ANNEX B TEST SETUP PHOTOS

Please refer the document “BL-SZ25C0165-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer the document “BL-SZ25C0165-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer the document “BL-SZ25C0165-AI.PDF”.

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--END OF REPORT--